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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
09/896,093	06/28/2001	Yonjun Jeff Hu	400.084US01	9417	
75	90 05/06/2003		,		
FOGG SLIFER & POLGLAZE, P.A.			EXAMINER		
P.O. Box 581009			DANG, TRUNG Q		
Minneapolis, M	N 55402	,	DANG, IRONG Q		
	•		ART UNIT	PAPER NUMBER	
		•	2823 DATE MAILED: 05/06/2003		

Please find below and/or attached an Office communication concerning this application or proceeding.

		· -	m '
·	Application No.	pplicant(s)	
	09/896,093	HU, YONJUN JE	FF
Office Action Summary	Examiner	Art Unit	
	Trung Q. Dang	2823	
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence a	ddress
A SHORTENED STATUTORY PERIOD FOR REPLY THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply - If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, - Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b). Status	36(a). In no event, however, may a reply be time within the statutory minimum of thirty (30) day fill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	nely filed s will be considered time the mailing date of this D (35 U.S.C. § 133).	ely. communication.
1) Responsive to communication(s) filed on	<u> </u>		
2a) ☐ This action is FINAL . 2b) ☐ Thi	is action is non-final.		
3) Since this application is in condition for allowa closed in accordance with the practice under a Disposition of Claims			he merits is
4) Claim(s) 1-144 is/are pending in the applicatio	n.		
4a) Of the above claim(s) is/are withdraw	vn from consideration.		
5) Claim(s) is/are allowed.			
6) Claim(s) is/are rejected.			
7) Claim(s) is/are objected to.			
8) Claim(s) 1-144 are subject to restriction and/or	election requirement.		
Application Papers			
9) The specification is objected to by the Examiner			
10) The drawing(s) filed on is/are: a) accept			
Applicant may not request that any objection to the			
11) The proposed drawing correction filed on		ved by the Exami	ner.
If approved, corrected drawings are required in rep	•		
12) The oath or declaration is objected to by the Ex	aminer.		
Priority under 35 U.S.C. §§ 119 and 120			
13) Acknowledgment is made of a claim for foreign	priority under 35 U.S.C. § 119(a)-(d) or (f).	
a) ☐ All b) ☐ Some * c) ☐ None of:			
1. Certified copies of the priority documents	s have been received.		
2. Certified copies of the priority documents	s have been received in Applicati	on No	
 3. Copies of the certified copies of the prior application from the International But * See the attached detailed Office action for a list 	reau (PCT Rule 17.2(a)).		l Stage
14) Acknowledgment is made of a claim for domestic	c priority under 35 U.S.C. § 119(e) (to a provisiona	al application).
a) ☐ The translation of the foreign language pro 15)☐ Acknowledgment is made of a claim for domesti			
Attachment(s)	. ,		
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449) Paper No(s)	5) Notice of Informal I	r (PTO-413) Paper N Patent Application (P	* *
S. Patent and Trademark Office			

Application/Control Number: 09/896,093

Art Unit: 2823

- Restriction to one of the following inventions is required under 35 U.S.C. § 121:
- Claims 1-90 drawn to a method of forming a metal interconnect in an integrated I. circuit device, classified in class 438, subclass 627.
- II. Claims 91-144 drawn to an interconnect of an integrated circuit device, classified in Class 257, subclass 758.

The inventions are distinct, each from the other because of the following reasons:

Inventions I and II are related as process of making and product made. The inventions are distinct if either or both of the following can be shown: (1) that the process as claimed can be used to make other and materially different product or (2) that the product as claimed can be made by another and materially different process (M.P.E.P. § 806.05(f)). In the instant case, unpatentability of the group I invention would not necessarily imply unpatentability of the group II invention, since the interconnect of an integrated circuit device of the group II invention could be made by processes materially different than that of the group I invention, for example, the first metal layer of the structure claims, which comprises a first metal component and a second metal component forming a crystalline compound with the first metal component could be formed by forming an amorphous thin film comprises the first and second metal components and then annealing said amorphous thin film to crystallize the film.

Because these inventions are distinct for the reasons given above and, as shown by the above different classifications, the fields of search are not co-extensive and separate examination would be required, restriction for examination purposes as indicated is proper.

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2. Applicant is advised that the response to this requirement to be complete must include an election of the invention to be examined even though the requirement be traversed.

3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Trung Dang whose telephone number is (703) 308-2548. The examiner can normally be reached on weekdays from 9:00 AM to 5:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Olik Chaudhuri, can be reached on (703) 306-2794. The fax phone number for this Group is (703) 305-3432 or (703) 308-7725.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (703) 308-0956.

Trung Dang

(my) any

Primary Examiner, Group 2800